

<400> 11  
Met Thr His Cys Glu Glu Ala Ser Ser Leu Ala Glu His Lys Leu Lys  
1 5 10 15  
  
Asp Val Arg Glu Lys Met Ala Asp Leu Ala Arg Met Glu Thr Val Leu  
20 25 30  
  
Ser Glu Leu Val Cys Ala Cys His Ala Arg Lys Gly Asn Val Pro Cys  
35 40 45  
  
Pro Leu Ile Ala Ser Leu Gln Gly Ser Ser Gly Thr His Cys Glu Glu  
50 55 60  
  
Ala Ser Ser Leu Ala Glu His Lys Leu Lys Asp Val Arg Glu Lys Met  
65 70 75 80  
  
Ala Asp Leu Ala Arg Met Glu Thr Val Leu Ser Glu Leu Val Cys Ala  
85 90 95  
  
Cys His Ala Arg Lys Gly Asn Val Pro Cys Pro Ser Ala Trp Ser His  
100 105 110  
  
Pro Gln Phe Glu Lys  
115

<210> 12

<211> 117

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: chelon

<400> 12

Met Thr His Cys Glu Glu Ala Ser Ser Leu Ala Glu His Lys Leu Lys  
1 5 10 15

Asp Val Arg Glu Lys Met Ala Asp Leu Ala Arg Met Glu Thr Val Leu  
20 25 30

Ser Glu Leu Val Cys Ala Cys His Ala Arg Lys Gly Asn Val Ser Cys  
35 40 45

Pro Leu Ile Ala Leu Leu Gln Gly Ser Ser Gly Thr His Cys Glu Glu  
50 55 60

Ala Ser Ser Leu Ala Glu His Lys Leu Lys Asp Val Arg Glu Lys Met  
65 70 75 80

Ala Asp Leu Ala Arg Met Glu Thr Val Leu Ser Glu Leu Val Cys Ala  
85 90 95

Cys His Ala Arg Lys Gly Asn Val Ser Cys Pro Ser Ala Trp Ser His  
100 105 110

Pro Gln Phe Glu Lys  
115

<210> 13  
<211> 33  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: primer

<400> 13  
tgcggcggtc tcaaattgaca cactgcgagg agg 33

<210> 14  
<211> 33  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: primer

<400> 14  
gcctgaggat ccctgttagtg acgcgatcaa cg 33

<210> 15  
<211> 30  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: primer

<400> 15  
ctacaggat cctcaggcac ccactgcgag 30

<210> 16  
<211> 33  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: primer

<400> 16  
ctgttagggtc tcggcgctcg ggcaggaaac att 33

<210> 17  
<211> 354  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: sequence  
encoding chelon

<400> 17  
atgacacacact gcgaggaggc cagcagcctg gccgaacaca agctcaagga cgtgcgcgag 60  
aagatggccg acttgcgcg catggaaacc gtgctgtctg aactcgtgtg cgcctgccat 120  
gcacgaaagg ggaatgttc ctgcccgtt atcgctcac tacagggatc ctcaggcacc 180  
caactgcgagg aggccagcag cctggccgaa cacaagctca aggacgtgcg cgagaagatg 240  
gcgcgacttgg cgcgcatgga aaccgtgtg tctgaactcg tgcgcctg ccatgcacga 300  
aaggggaatg ttccctgccc gagcgcttgg agccacccgc agttcgaaaa ataa 354

<210> 18  
<211> 509  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:sequence  
encoding chelon flanked by sequences derived from  
plasmid

<400> 18  
ccatcgaatg gccagatgtat taattcctaa tttttgttga cactatcatt gatagagtta 60  
ttttaccact ccctatcagt gatagagaaa agtggaaatga atagttcgta caaaaatcta 120  
gataacgagg gcaaaaaatg acacactgcg aggaggccag cagcctggcc gaacacaagc 180  
tcaaggacgt gcgcgagaag atggccgact tggcgcgcattt gaaaaccgtg ctgtctgaac 240  
tcgtgtgcgc ctgccatgca cggaaaggggaa atgtttctgt cccgttgatc gcgtcactac 300  
agggatcctc aggcacccac tgcgaggagg ccagcagect ggcgaacac aagctcaagg 360  
acgtgcgcga gaagatggcc gacttggcgc gcatggaaac cgtgctgtct gaactcgtgt 420  
gcgcctgcca tgcacgaaag gggaatgtt cctgcccggag cgcttggagc caccgcagt 480  
tcgaaaaata ataagcttga cctgtgaag 509